

From glowbugs@theporch.com Tue Nov 26 10:30:26 1996
Return-Path: <glowbugs@theporch.com>
Received: from uro (localhost.theporch.com [127.0.0.1])
by uro.theporch.com (8.8.4/AUX-3.1.1)
with SMTP id KAA17838;
Tue, 26 Nov 1996 10:22:23 -0600 (CST)
Date: Tue, 26 Nov 1996 10:22:23 -0600 (CST)
Posted-Date: Tue, 26 Nov 1996 10:22:23 -0600 (CST)
Received-Date: Tue, 26 Nov 1996 10:22:23 -0600 (CST)
Message-Id: <199611261622.KAA17838@uro.theporch.com>
Errors-To: conard@tntech.campus.mci.net
Reply-To: glowbugs@theporch.com
Originator: glowbugs@theporch.com
Sender: glowbugs@theporch.com
Precedence: bulk
From: glowbugs@theporch.com
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: GLOWBUGS digest 364
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@theporch.com
Status: 0

GLOWBUGS Digest 364

Topics covered in this issue include:

- 1) 811A Hartley
by EWoodman@aol.com
- 2) Re: Visio schematics in Word files
by "R. Eric Sluder" <sludere@gte.net>
- 3) Re: 811A Hartley
by rdkeys@csemail.cropsci.ncsu.edu
- 4) Tubes for sale/trade
by jlevro@shore.net (John Levreault)
- 5) Re: Visio schematics in Word files
by Dan Kerl <dlkerl@ro.com>
- 6) Re: surplus crystal question
by Conard Murray <conard@tntech.campus.mci.net>
- 7) Re: Help with PI tank...
by W4AOS@aol.com
- 8) Regen Project in Magazine
by joe@westonia.com (Joseph Cooper)
- 9) HELP HELP HELP
by Jeffrey Herman <jherman@hawaii.edu>
- 10) Need National NCX-500 schematic
by "KASTIGAR, MATTHEW (M)" <MK2331@STLMAIL7.SBC.COM>

Date: Mon, 25 Nov 1996 12:28:18 -0500
From: EWoodman@aol.com
To: glowbugs@theporch.com
Subject: 811A Hartley
Message-ID: <961125122818_1453067162@emout08.mail.aol.com>

Hi all,

Has anyone tried using an 811A in the basic Hartley circuit? I got the impression that it isn't a great choice, however it seems to fire up ok in my test circuit. I only had about 450V on the plate and was a bit skeptical as to whether it would percolate at all. It just happened to be the only big triode I have on hand.

Eric KA1YRV

Date: Mon, 25 Nov 1996 12:35:23 -0800
From: "R. Eric Sluder" <sludere@gte.net>
To: jeffd@coriolis.com
Subject: Re: Visio schematics in Word files
Message-ID: <329A030B.6D2@gte.net>

Jeff,

I have a copy of VisioHome also. That was how I read your schematic for the 6AG7/6L6 transmitter. It read your tube symbols and all that stuff. So, I'd guess that it should work. I do remember though, that it would only read version 3 of your visio technical file which (thankfully) you included.

Just some thoughts,

Eric Sluder
KB9BGS
Carmel, IN

> I haven't heard of VisioHome but I assume it's a "defeatured" version of
> Visio. My guess is that it can take any standard Visio stencil file. So
> here's what we'll try: I'll make up a file of Visio goodies and post it on
> my FTP site, and then message the list to let you all know it's there.
>
> Good luck with it and let us know how it works.
>
> --73--
>
> --Jeff Duntemann KG7JF

> Scottsdale, Arizona

Date: Mon, 25 Nov 1996 14:12:36 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: EWoodman@aol.com
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com
Subject: Re: 811A Hartley
Message-ID: <9611251912.AA104635@csemail.cropsci.ncsu.edu>

>
> Hi all,
> Has anyone tried using an 811A in the basic Hartley circuit? I got the
> impression that it isn't a great choice, however it seems to fire up ok in my
> test circuit. I only had about 450V on the plate and was a bit skeptical as
> to whether it would percolate at all. It just happened to be the only big
> triode I have on hand.
>
> Eric KA1YRV
>

I am the one who has not had good luck with the 811A in triode Hartley oscillator service. I would be curious to know the details of your circuit.

1. coil size, number of turns, and placement of tap.
2. grid bias capacitor and grid blocking condenser values.
3. circuit type, HI-C, LO-C (value of lumped tank tuning capacitance).
4. coupling coil size and inches of coupling.
5. power input and power output.
6. relative stability with keying and with key down (short/long term).

Maybe my 811A's are too down to oscillate well. I only have a pair that were junkbox pulls, so that could be part of the problem. My tanks are very HI-C, and normally have about 8-10 turns on 80M, max. Every other tube I have tried, seems to percolate well, but that crazy pair of 811A's of mine.....hmm.....(:+\.\.....

I would appreciate any other's Hartley experiences with the 811A, too.

73/ZUT DE NA4G/Bob UP

Date: Mon, 25 Nov 1996 14:24:17 -0500 (EST)
From: jlevro@shore.net (John Levreault)
To: glowbugs@theporch.com
Subject: Tubes for sale/trade
Message-ID: <199611251924.0AA24375@relay1.shore.net>

I bought out a retired ham's stash of RF tubes this weekend. I was "forced" to take even the stuff I didn't want. I'd like to give youse guys a chance at these before I go commercial. I have:

- a single Penta 3-500Z, NIB (unopened, dated 1989);
- several 100TH's, test good and look new;
- several 250TH's, test good and look new;
- a bunch of 807's, 6146's, and some metal 6L6's (I have more than I could ever use);
- lots of rectifiers like 866's, 5Z3's, some 836's;
- lots of other stuff, if you have some "wants".

Anything anyone's interested in?

73 de NB1I
John Levreault
jlevro@shore.net

Date: Mon, 25 Nov 1996 15:00:25 -0600
From: Dan Kerl <dlkerl@ro.com>
To: glowbugs@theporch.com
Subject: Re: Visio schematics in Word files
Message-ID: <329A08E9.FC1@ro.com>

Jeff Duntemann wrote:

>
> At 09:14 AM 11/23/96 PST, you wrote:
> >It works beautifully. How do you get it into Word?
> >How much does Visio cost?
> >Thanks Gary
>
> >From Word I selected Insert|Object and then selected the Create from File
> tab, then entered the name of the Visio file. That's all it takes!
>
> Visio comes in several different "sizes." The one I use is Visio Technical
> 4.1, which can be had "on the street" (typical mail order shop) for about

> \$279.

<snip>

>

> BTW, if anyone here ever decides to use Visio, I have a custom stencil of my
> own tube symbols that I will be happy to give anyone. It contains about
> twice the number of different types as the one Visio created for the 4.1
> release, and I add new ones all the time. (I just added a 5U4-style
> rectifier symbol, for example.)

I currently use Visio 2.0, which is irritating because the Visio folks decided to completely forsake backwards compatibility. I'm thinking about the 4.5 upgrade when it's available next year, since their upgrade pricing is a little more reasonable. I'd appreciate a copy of your stencil if it's not too inconvenient. Will it work with Visio Technical 4.0?

My version of Netscape Navigator (3.0) was able to view your Word file directly, using Inso's free Netscape plugin. Check out

<http://www.inso.com/>

for more details. I bet Bill hates these folks...

Thanks,
Dan Kerl
dlkerl@ro.com

Date: Mon, 25 Nov 1996 17:17:43 -0600
From: Conard Murray <conard@tntech.campus.mci.net>
To: Roy Morgan <morgan@speckle.ncsl.nist.gov>
Cc: boatanchors@theporch.com
Subject: Re: surplus crystal question
Message-ID: <1.5.4.32.19961125231743.0069a2a0@tntech.campus.mci.net>

Hi Roy,
Here is the scoop on the FT-241 rocks.
This is from the CQ Surplus Conversion Handbook Page 97. It looks like they lifted the print from somewhere else.

For units marked for channels 0 thru 79 (20-27.9 MHz):
 $F_{\text{crystal}} = F_{\text{marked}}/54$
for example Channel 0 or 20 MHz is on 370.370 KHz
Channel 20 or 22 MHz is on 407.407 KHz
Channel 46 or 24.6 MHz is on 455.555 KHz
Channel 79 or 27.9 MHz is on 516.666 KHz
For units marked for channels 270 through 389 (27-38.9 MHz):

Fcrystal = Fmarked/72
for example Channel 27 is on 375 KHz
Channel 328 is on 455.555 KHz
Channel 389 is on 540.288 KHz

These were popular for building homebrew SSB/CW filters. I have used them as single xtal filters in simple HB receivers.

I hope this helps.

73 de Conard, ws4s

Conard Murray WS4S NNNOUTN	Glowbugs Listowner
217 Dyer Avenue	BA/GB net 1802.5/3579.5/7050 KHz
Cookeville, Tn 38501	conard@tntech.campus.mci.net
615-526-4093	Wise men still seek Him

- LICENSED ONLY TO EXTENT INDICATED ON CARTON -

Date: Mon, 25 Nov 1996 19:07:39 -0500
From: W4AOS@aol.com
To: gekko@nwlinc.com
Subject: Re: Help with PI tank...
Message-ID: <961125190738_1421085395@emout20.mail.aol.com>

In a message dated 96-11-25 11:32:37 EST, you write:

<< is working fairly well, and seems chirp free in my receiver across the room.

However, I cannot seem to get the PI tank to resonate worth a dang. I am using a 700pf antenna-side variable, a 300pf plate variable, and a coil of 38 turns #18, 1.25 inches in diameter, airwound stock >>

Dave a couple of thoughts:

1. Are you sure that you are getting drive to the 6L6? Do you have a means available to measure the grid current, if so how much? How is the 6L6 biased, are you using the usual grid leak bias?
2. What is the length of your tank coil? knowing that I can calculate the inductance to see if it is in the ballpark. It seems ok as I visualize it, but there's no substitute for calculation.
3. With the loading capacitor (700 pf) fully meshed, you should see a pronounced dip. Make sure that the voltage (including filament) to the 6L6 is off and that the tank circuit is not loaded when looking for a dip with the gd meter. That should give you a good dip if it is resonant where you

expect. Try sweeping the grid dip around in frequency in case the dip is higher or lower than where you expect it. Make sure you have close coupling to the between gd and coil.

4. I assume that you are using the usual shunt fed circuit with an rf choke and blocking capacitor, make sure they are all good. Maybe try dipping the tank with this stuff disconnected from it.

hope you find it.

73 Bob w4aos@aol.com

Date: Mon, 25 Nov 96 23:42 EST
From: joe@westonia.com (Joseph Cooper)
To: glowbugs@theporch.com
Subject: Regen Project in Magazine
Message-ID: <m0vSFLe-000iAJC@gpu2.westonia.com>

The current edition of Electronic Handbook (Volume 14) has a very nice bread board one-tube (3A4) regen radio. It is primarily for BCB use, but it is a good starting point for a simple first project using easy to get parts. You can also use substitute tubes if needed.

=====
* Joseph Cooper-VE3FMQ QTH-East York-near Toronto Ontario Canada *
* Interests are:-Lowfer/VLF/BCB Radio-Woodworking-Steam Railroads *
* Blacksmithing-Antique Radios-Crystal Radios-Travel-Burmese Cats *
* Answering Machine(416)423-7333 FAX(416)423-7782 by arrangement *
=====

Date: Mon, 25 Nov 1996 20:15:50 -1000
From: Jeffrey Herman <jherman@hawaii.edu>
To: glowbugs@theporch.com
Subject: HELP HELP HELP
Message-ID: <96Nov25.201555hwt.188174(2)@uhunix3.its.Hawaii.Edu>

Can any of you folks help the following OM? It would be real nice to

get him back on the air. Please write directly to him at leeboo@ct.net.
Jeff KH2PZ

-----Begin Leon's Request-----

A am a partially disabled senior citizen.
Looking to get back into ham radio.
Need any old tube type electronic
equip you have for parts to
build rec. & trans. Am located in
Sebring fl. which is near Tampa.
Will come and pu if within driving dist
or pay shipping.costs. Call me
collect and we can talk if you can help.
tel 941 471 3739
email leeboo@ct.net

Date: 26 Nov 1996 08:27:08 CST
From: "KASTIGAR, MATTHEW (M)" <MK2331@STLMAIL7.SBC.COM>
To: INTERNET@SWGATE1.SBC.COM
Subject: Need National NCX-500 schematic
Message-ID: <STLMAIL7.MK2331.832027080096331FSTLMAIL7@SBC.COM>

Microsoft Mail v3.0 IPM.Microsoft Mail.Note
From: KASTIGAR, MATTHEW (MM)
To: 'internet@swgate1'
Subject: Need National NCX-500 schematic
Date: 1996-11-26 08:29
Priority:
Message ID: 865D7283
Conversation ID: 865D7283

internet: glowbugs@theporch.com

Wanted: Schematic for National NCX-500 xcvr. Will pay copy cost. THX. Matt,
N0XEU MK2331@stlmail7.sbc.com

End of GLOWBUGS Digest 364
